



-1-

SEQUENCE LISTING

<110> Liu, Dongfang
Pojasek, Kevin
Shriver, Zachary
Holley, Kristine
El-Shabrawi, Yosuf
Venkataraman, Ganesh
Sasisekharan, Ram

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<120> Heparinase III and Uses Thereof

<130> M00656.70063.US

<140> US 60/187,846

<141> 2000-03-08

<150> US 09/802,285

<151> 2001-03-08

<160> 3

<170> PatentIn version 3.0

<210> 1

<211> 1980

<212> DNA

<213> Pedobacter heparinus

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<211> 659

<212> PRT

<213> Pedobacter heparinus

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435 440 445

Val Tyr Ser Gly Asp Glu Ala Ile Met Lys Leu Arg Asn Trp Tyr Arg
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Gln Thr Arg Ile His Ser Thr Leu Thr Leu Asp Asn Gln Asn Met Val
465 470 475 480

Ile Thr Lys Ala Arg Gln Asn Lys Trp Glu Thr Gly Asn Asn Leu Asp
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Val Leu Thr Tyr Thr Asn Pro Ser Tyr Pro Asn Leu Asp His Gln Arg
500 505 510

Ser Val Leu Phe Ile Asn Lys Lys Tyr Phe Leu Val Ile Asp Arg Ala
515 520 525

Ile Gly Glu Ala Thr Gly Asn Leu Gly Val His Trp Gln Leu Lys Glu
530 535 540

Asp Ser Asn Pro Val Phe Asp Lys Thr Lys Asn Arg Val Tyr Thr Thr
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Tyr Arg Asp Gly Asn Asn Leu Met Ile Gln Ser Leu Asn Ala Asp Arg
565 570 575

Thr Ser Leu Asn Glu Glu Glu Gly Lys Val Ser Tyr Val Tyr Asn Lys
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595 600 605

Gly Thr Gln Asn Phe Val Ser Ile Val Tyr Pro Tyr Asp Gly Gln Lys
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Ala Pro Glu Ile Ser Ile Arg Glu Asn Lys Gly Asn Asp Phe Glu Lys
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Leu Val Pro

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<213> Flavobacterium heparinum

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-5-

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			20					25